

Name of Assistant Professor: - Kamal Kishore

Class: - BCA 5th Sem.

Subject: - Multimedia Tools

Paper: - BCA-356

Week	Topic
July/Fourth	Multimedia: Basic Concept, Definition, Components & Applications of Multimedia; Hypermedia and Multimedia.
August/First	Multimedia Hardware and Software; Multimedia Software Tools; Presentation Tools.
August/Second	Multimedia Authoring: Introduction, Features, Types of Authoring Tools: Card or Page-Based, Icon- Based, Time-Based, Object-Oriented; VRML: History, Features.
August/Third	Images: Graphics/Image Data Types, File Formats.
August/Fourth	Color Models in Images and Video.
Sept./First	Video: Introduction, Types of Video Signals; Analog and Digital Video; Analog Video Standards: NTSC, PAL, SECA.
Sept./Second	Digital Video Standards: Chroma Subsampling, CCIR Standards, HDTV.
Sept./Third	Digital Audio: Basic Concepts, Analog vs. Digital Audio, Digitization of Sound; Digital Audio File Formats.
Sept./Fourth	MIDI Quantization and Transmission of Audio: Coding of Audio.
Oct./First	Pulse Code Modulation; Differential Coding of Audio; Lossless Predictive Coding; DPCM; DM; ADPCM.
Oct./Second	Compression Techniques: Introduction, Types of Data Compression, Run-Length Coding, Variable- Length Coding, Dictionary-Based Coding .
Oct./Third	Transform Coding Image and Video Compression Techniques: JPEG Standard for Image Compression; JPEG Mode.
Oct./Fourth	Holidays
Nov./First	Video Compression Techniques: H.261, H.263, MPEG.
Nov./Second	Revision
Nov./Third	Revision

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Name of Assistant Professor: - Kamal Kishore

Class: - B.Sc. 1st Sem(Physical Science)

Subject: - Computer Minor(Basics of Computer Science)

Paper: - B23-CSE-103

Week	Topic
July/Fourth	Introduction to Computers: Definition of Computers.
August/First	History and Generations of Computers, Characteristics of computer, Classification of Computers.
August/Second	Fundamental Block diagram of Computer: CPU, Input & Output Unit.
August/Third	Software: Definition of Software, Types of Software-System software, Application software and Utility software.
August/Fourth	Types of Computer Languages, Assemblers, Interpreters, Compiler.
Sept./First	Introduction to Operating Systems: Types of Operating System, Functions of Operating System.
Sept./Second	Windows: Introduction to Windows, Starting Windows, Desk Top, Task Bar, Opening and closing applications
Sept./Third	Icons creating, renaming and removing. Date and Time setting.
Sept./Fourth	Working with files and folders-creating, deleting, opening, finding, copying, moving, and renaming.
Oct./First	Networking: Concept, Basic Elements of a Communication System.
Oct./Second	Data Transmission Media, LAN, MAN, WAN.
Oct./Third	Introduction of Internet and WWW, Basic working of a Web Browser.
Oct./Fourth	Holidays
Nov./First	Introduction to popular web browsers.
Nov./Second	Revision
Nov./Third	Revision

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Name of Assistant Professor: - Kamal Kishore  
Class: - M.Com 3rd Sem.  
Subject: - Computer Applications in Business  
Paper: - MC-301

Week	Topic
August/First	Computer System: Meaning, scope, types; Basic computer organization: Central Processing Unit, input, output
August/Second	Storage devices
August/Third	Introduction to software; System software - operating system.
August/Fourth	User interface and its types & Application software - word processing, spreadsheets;
Sept./First	Introduction to databases, tables, queries, reports and form generation. Fuzzy Logic, etc.
Sept./Second	Information Technology in Business: Concept of information technology
Sept./Third	Local Area Network— media & topologies and Wide Area Networks;
Sept./Fourth	Electronic data processing
Oct./First	Intranet and extranet, concept and evolution
Oct./Second	World Wide Web; Multimedia technologies
Oct./Third	Video conferencing; Broadband networks
Oct./Fourth	Holidays
Nov./First	Planning and designing web pages
Nov./Second	Revision
Nov./Third	Revision

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